

Unit 5: Place Value Patterns and Decimal Operations

PRACTICE · SET 4

Name: _____ Date: _____

Solve each problem. Show your work, and write each answer as an exact number (use decimals, not rounded estimates).

1. A toy robot's battery lasts 4.6 hours. A factory robot's battery lasts 10^3 times as long. How many hours does the factory robot's battery last?

Answer: _____

3. In the number 6.66, the 6 in the ones place is how many times as much as the 6 in the hundredths place?

Answer: _____

5. A school jar holds 20 dollars for the class pizza fund. The class spends 13.47 dollars on napkins and cups. How many dollars are left in the jar?

Answer: _____

7. Kai's puppy grew 0.6 kilograms last month. This month the puppy grew 1.5 times that amount. How many kilograms did the puppy grow this month?

Answer: _____

9. A 6.3 meter rope is cut into pieces that are each 0.9 meters long. How many pieces are made?

Answer: _____

11. A fish tank fills at 1.4 liters per minute for 2.5 minutes. Then 0.75 liters spills out. How many liters of water are in the tank now?

Answer: _____

2. Mia pours 87.5 grams of glitter evenly into 10^2 tiny jars. How many grams of glitter go in each jar?

Answer: _____

4. Ana drinks 1.75 liters of water in the morning, 0.9 liters at lunch, and 2.05 liters after soccer. How many liters does she drink in all?

Answer: _____

6. Each glass bead weighs 0.35 grams. What is the total weight, in grams, of 6 beads?

Answer: _____

8. Four friends share 9.36 meters of kite string equally. How many meters of string does each friend get?

Answer: _____

10. What number is equal to $3 \times 10^2 + 6 \times 1/100$?

Answer: _____

12. How many hundredths (0.01s) are there in 3.5?

Answer: _____